

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	1855	Resonator same (VCO or (voltage adj controlled adj oscillator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:42
L8	512162	(high adj frequency) or (high-frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:31
L9	811	L7 and L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:31
L10	89748	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:31
L11	92	L9 and L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:31
L12	0	L11 and @ad<="20030314" and @pd>="20060109"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:39
L13	4349	((342/175) or (342/70-73) or (342/89-103)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/03 07:39
L14	8	L13 and @ad<="20030314" and @pd>="20060109"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:39

EAST Search History

L15	1	((Resonator same (VCO or (voltage adj controlled adj oscillator))) and radar and ((high adj frequency) or (high-frequency))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:48
L16	322	kato-takatoshi.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:48
L17	857	ishii-toru.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:48
L18	72	nakamura-fuminori.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/03 07:49

SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER

10757591

EAST SEARCH

EAST: search history attached

IEEE SEARCH

Search terms:

Resonator <AND> (VCO <or> (voltage <AND> controlled <AND> oscillator)) <AND> ((high <paragrapgh> frequency) <or> (high-frequency)) <AND> (radar <or> radio)

1. The further development of internally heated quartz resonators and the oscillators on their basis for use in up-to-date search-and-rescue and communication systems

Vorohkovsky, Y.L.; Petrosian, I.G.; Drakhlis, B.G.; Volkov, A.A.
Frequency Control Symposium, 1992. 46th., Proceedings of the 1992 IEEE
27-29 May 1992 Page(s):505 - 512

2. A wideband SAW resonator and its application to a VCO for mobile radio transceivers

Hikita, M.; Sumioka, A.; Tabuchi, T.
Vehicular Technology, IEEE Transactions on
Volume 43, Issue 4, Nov 1994 Page(s):863 - 869

3. Highly accurate spurious-free integrated VCO resonator in a GSM transceiver using circuit-package co-design

Jenshan Lin; Ran-Hong Yan; Frye, R.C.; Smith, P.R.; Low, Y.L.
Radio Frequency Integrated Circuits (RFIC) Symposium, 1998 IEEE
7-9 Jun 1998 Page(s):123 - 126

4. "An extremely low noise, phase lockable, sapphire loaded cavity based microwave oscillator", Wong, C.; Miccioli, W.F.; Insana, D.M.; Drubin, C.A. Microwave Symposium Digest, 1999 IEEE MTT-S Int'l Vol 1, 1999 Ps:91-94

5. "Analysis on resonator coupling and its application to CMOS quadrature VCO at 8 GHz", Donghyun Baek; Taeksang Song; Sangsoo Ko; Euisik Yoon; Songcheol Hong (RFIC) Symposium, IEEE 8-10 June 2003 Ps: 85-88

6. "A 98 GHz voltage controlled oscillator in SiGe bipolar technology", Perndl, W.; Knapp, H.; Aufinger, K.; Meister, T.F.; Simburger, W.; Scholtz, A.L. Bipolar/BiCMOS Circuits and Technology Meeting. Proceedings of the 28-30 Sept. 2003 Ps: 67-69

INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	Resonator AND (VCO OR voltage AND controlled AND oscillator) AND (high ADJ frequency OR high-frequency) AND (radar OR radio)	20060109	0	

IP.COM SEARCH

Search Resonator AND (VCO or (voltage AND controlled AND oscillator)) AND ((high w/3 frequency) or
query: (high-frequency)) AND (radar or radio)

No new relevant document found.

PROQUEST SEARCH

(Resonator AND (VCO or (voltage AND controlled AND oscillator))) AND (((high w/3 frequency) or
(high-frequency))) AND ((radar or radio))

Database: Multiple databases...

Look for terms in: Citation and abstract

Publication type: All publication types

Radio frequency circuits for tunable multi-band CMOS receivers for wireless LAN applications

Li, Zhenbiao. Proquest Dissertations And Theses 2004. 186 pages; [Ph.D. dissertation].United States -- Florida: University of Florida; 2004. Publication Number: AAT 3158832.

Frequency synthesis for wireless transceivers

Pfaff, Dirk. Proquest Dissertations And Theses 2003. 180 pages; [Ph.D. dissertation].Switzerland: Eidgenoessische Technische Hochschule Zuerich (Switzerland); 2003. Publication Number: AAT C815955.

Low-voltage switched-capacitor circuits for lowpass and bandpass DeltaSigma converters

Keskin, Mustafa. Proquest Dissertations And Theses 2002. 94 pages; [Ph.D. dissertation].United States -- Oregon: Oregon State University; 2002. Publication Number: AAT 3044334.



- [-] Drafts
- [-] Pending
- [-] Active
 - L7: (1855) Resonator same (VCO or (voltage adj controlled adj oscillator))
 - L8: (512162) (high adj frequency) or (high-frequency)
 - L9: (811) L7 and L8
 - L10: (89748) radar
 - L11: (92) L9 and L10
 - L12: (0) L11 and @ad<="20030314" and @pd<="20060109"
 - L13: (4349) (342/175) or (342/70-73) or (342/89-103) CCLS
 - L14: (8) L13 and @ad<="20030314" and @pd<="20060109"
 - L15: (1) ((Resonator same (VCO or (voltage adj controlled adj oscillator))) and radar and (high...
 - L16: (322) kato-takatoshi.inv.
 - L17: (857) ish-toru.inv.
 - L18: (72) nakamura-fuminori.inv.
- [-] Failed
- [-] Saved
 - S1: (1799) Resonator same (VCO or (voltage adj controlled adj oscillator))
 - S2: (503401) (high adj frequency) or (high-frequency)
 - S3: (779) S1 and S2
 - S4: (88181) radar
 - S5: (90) S3 and S4
 - S6: (61) S5 and @ad<="20030314"
 - S7: (1054) 342/175
 - S8: (4286) (342/175) or (342/70-73) or (342/89-103) CCLS.
 - S9: (2295) S8 and @ad<="20030314"
 - S10: (12) (US-20010026195-\$ or US-20040041668-\$).dtd. or (US-6714089-\$ or US-6535072-\$ or US-6897...
 - S11: (5) S10 and dielectric
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- [-] Tagged (15)
- [-] UDC
- [-] Queue
- [-] Trash

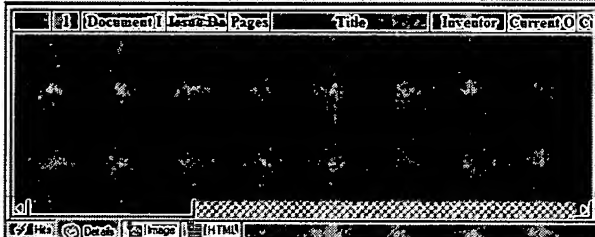
Search Un Download Run Copy

US-REG-PUB:USPATAUSOCR

Default operator: OR

☒ Display all hit terms only342/175
342/70-73
342/89-103

Structured form Custom form BRS form SLR form HHS Details Image Patent HTML



Ready

Search Terms	Total	USPAT	US-PCP	EPO	JPO	Derive 2
1 342/100	99					
2 342/101	68					
3 342/102	91					
4 342/103	126					
5 342/175	785					
6 342/70	929					
7 342/71	389					
8 342/72	225					
9 342/73	50					

No text available to display

HHS Details Image Patent HTML

HHS Details Patent HTML

NUM

- ☐ Drafts
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- ☒ Active
 - ☐ L7: (1855) Resonator same (VCO or (voltage adj controlled adj oscillator))
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 - ☐ L13: (4349) ((342/175) or (342/70-73) or (342/89-103)).CCLS.
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 - ☐ L15: (1) ((Resonator same (VCO or (voltage adj controlled adj oscillator))) and radar and ((high-
- ☐ Failed
- ☒ Saved
 - ☐ S1: (1799) Resonator same (VCO or (voltage adj controlled adj oscillator))
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 - ☐ S3: (779) S1 and S2
 - ☐ S4: (88181) radar
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 - ☐ S6: (61) S5 and @nd<="20030314"
 - ☐ S7: (1054) 342/175
 - ☐ S8: (4286) ((342/175) or (342/70-73) or (342/89-103)).CCLS.
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 - ☐ S10: (12) (US-200100216195-\$ or US-20040041668-\$).did. or (US-6714089-\$ or US-6535072
 - ☐ S11: (3) S10 and dielectric
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- ☐ Tagged (15)
- ☐ UDC
- ☐ Queue
- ☐ Trash

Search M4 Power Help Quit

US-PGRUB;USPAT;USOC;REXO74PO;DERWENT;HBMATDB

☒ Durable

☐ Highlight all hit items only

Default operator OR

((Resonator same (VCO or (voltage adj controlled adj oscillator))) and radar mnd ((high adj frequency) or (high-frequency))))).cnn]

Interference Search

Structured form Custom form BRS form SAR form HD DSDS Y2 Image Y1 Y2 HTML

Item	Document	Serial	Page	Title	Inventor	Current	Old
1	US 5034703	1991072	8	Frequency synthesizer	Schmacher	331/2	33

	Search Terms	Total	USPAT	US-PGP	EPO	JPO	Deriv.
1	CONTROLLED	166484					
2	CONTROLLED 1						
3	FREQUENCIES	308957					
4	FREQUENCY	936582					
5	FREQUENCIES	41					
6	HIGH	303241					
7	HIGH-FREQ	303					
8	HIGH-FREQ	70738					
9	HIGH-FREQ	0					

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